

02/10/14 Agenda

- Warm up exercise
- Review Homework
 - Worksheet Solving Systems of Equations 3 Ways
- Quiz - Sections 6.1 - 6.3

Warm Up - Homework out!

Solve for x:

$$\begin{array}{r} x - 4y = -8 \\ + 4y \quad + 4y \\ \hline x = 4y - 8 \end{array}$$

Solve using substitution:

$$\begin{array}{r} y = 3 \\ 4x + 3y = -3 \\ 4x + 3(3) = -3 \\ 4x + 9 = -3 \\ -9 \quad -9 \\ \hline 4x = -12 \\ \frac{4}{4} \quad \frac{-12}{4} \\ x = -3 \\ (-3, 3) \end{array}$$

Solve using elimination:

$$\begin{array}{r} 3x + 2y = 8 \\ + (5x - 2y = 8) \\ \hline 8x = 16 \\ \frac{8}{8} \quad \frac{16}{8} \\ x = 2 \end{array}$$

$$\begin{array}{r} 3x + 2y = 8 \\ 3(2) + 2y = 8 \\ 6 + 2y = 8 \\ -6 \quad -6 \\ \hline 2y = 2 \\ \frac{2}{2} \quad \frac{2}{2} \\ y = 1 \end{array}$$

(2, 1)